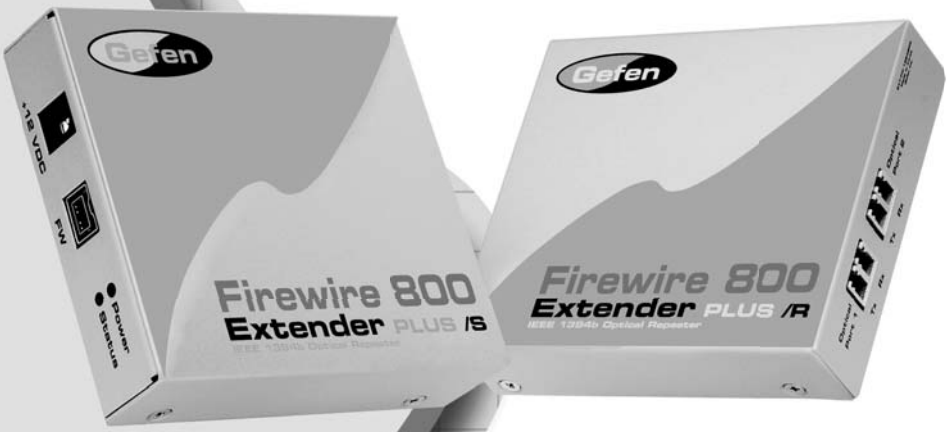
Firewire 800 Extender Plus

EXT-FW-1394BP

User Manual



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ASKING FOR ASSISTANCE

Technical Support:

Telephone	(818) 772-9100
	(800) 545-6900
Fax	(818) 772-9120

Technical Support Hours:
8:00 AM to 5:00 PM Monday thru Friday PST

Write To:

Gefen Inc.
c/o Customer Service
20600 Nordhoff St
Chatsworth, CA 91311

www.gefen.com
support@gefen.com

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CONTENTS

1 Introduction

2 Operation Notes

3 Features

4 Sender Panel Layout

5 Sender Panel Descriptions

6 Receiver Panel Layout

7 Receiver Panel Descriptions

8 Connecting And Operating The Firewire 800 Extender Plus

9 Wiring Diagram

10 Specifications

11 Warranty

INTRODUCTION

Congratulations on your purchase of the Firewire 800 Extender Plus. Your complete satisfaction is very important to us.

Gefen

Gefen delivers innovative, progressive computer and electronics add-on solutions that harness integration, extension, distribution and conversion technologies. Gefen's reliable, plug-and-play products supplement cross-platform computer systems, professional audio/video environments and HDTV systems of all sizes with hard-working solutions that are easy to implement and simple to operate.

The Gefen Firewire 800 Extender Plus

This solution uses a sender and receiver system to instantly send your data from your source to your extended Firewire device. It boasts a remarkable transfer rate of up to 980 Mbps and easily bridges distances up to 1640 feet (500 meters). This gives you the freedom to operate your computer based equipment and video cameras as if they were connected locally with no signal degradation or time lag. Receiving units have a second pair of fiber connectors to daisy chain multiple Receiving units for extreme distances.

How It Works

Simply connect your computer to the Firewire Extender 800 sender unit with the supplied cable. Connect your extended device to the receiver unit - up to 1640 feet away. One 2-strand LC-LC fiber optic cable, available in several lengths from Gefen, connect sender (computer) to receiver (Firewire device).

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE FIREWIRE 800 EXTENDER PLUS

- The fiber optics cable must be treated carefully when connectors are exposed. They are susceptible to dust which can contribute to loss of pixels.
- The Firewire 800 Extender Plus is housed in a metal box for better RF shielding.
- Only LC terminated multi-mode fiber optic cable can be used with the Firewire 800 Extender Plus system.
- Units can be cascaded up to 63 levels deep with a maximum distance between each of 1640 feet (500 meters).

FEATURES

Features

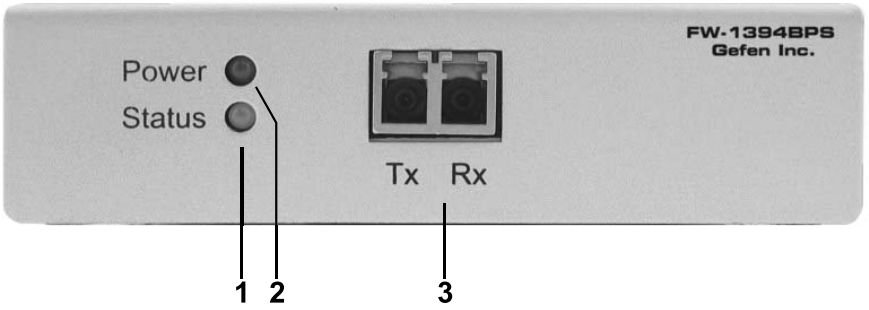
- Extends Firewire devices up to 1640 (500 meters) feet
- Transfer Rates of 100/200/400/800 Mbps
- Compliant with IEEE 1394a and 1394b
- Allows remote devices to operate in real-time, connected to the source
- Works with Apple and PC computers
- Uses fiber optics to ensure long distance performance
- Daisy chain multiple receivers for extreme distances

Package Includes

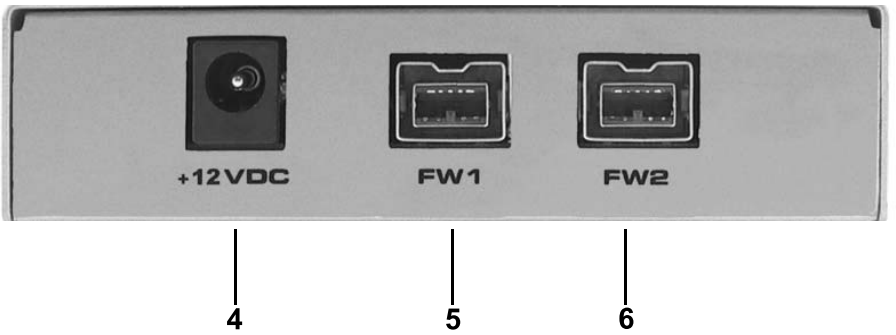
(1) Firewire 800 Extender Plus Sender
(1) Firewire 800 Extender Plus Receiver
(2) 6 Foot Firewire 400 to 800 cable (M-M)
(1) 6 Foot Firewire 800 to 800 cable (M-M)
(1) 12V DC Power supply

SENDER PANEL LAYOUT

Front Panel



Back Panel



SENDER PANEL DESCRIPTIONS

1 Status LED
This LED will become active once a stable link has been established between the sending and receiving units.

2 Power LED
This LED will become active once the included power adapter has been connected.

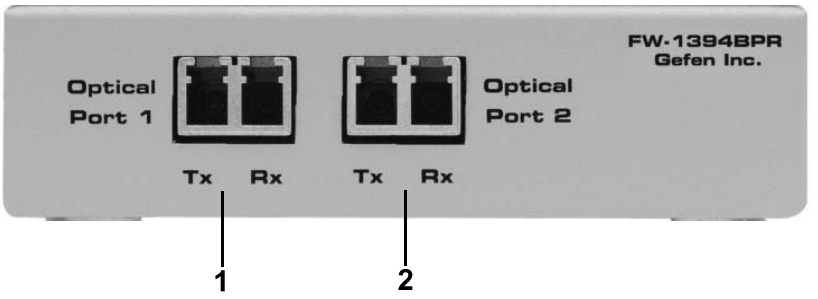
3 Fiber Optic TX and RX Inputs
Connect a LC terminated fiber optic cable for both the transmit (TX) and receive (RX) signals between the Firewire 800 sending and receiving units.

4 12V DC Power Supply Input
Input for the supplied 12V DC power adapter.

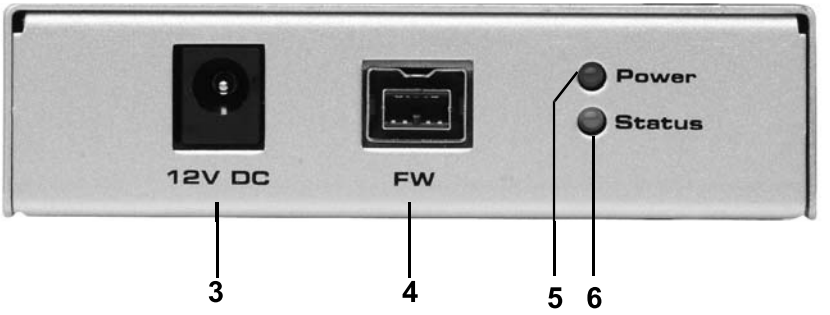
5 Firewire Input
Connects to a Firewire hub, or Firewire device.

6 Firewire Input
Connects to a Firewire hub, or Firewire device.

Front Panel



Back Panel



RECEIVER PANEL DESCRIPTIONS

1 Fiber Optic TX and RX Ports 1

Connect a LC terminated fiber optic cable for both the transmit (TX) and receive (RX) signals between the Firewire 800 sending and receiving units. Optionally, this port can be used for extension to another Receiving unit to extend the signal.

2 Fiber Optic TX and RX Ports 2

Connect a LC terminated fiber optic cable for both the transmit (TX) and receive (RX) signals between the Firewire 800 sending and receiving units. Optionally, this port can be used for extension to another Receiving unit to extend the signal.

3 12V DC Power Supply Input

Input for the supplied 12V DC power adapter.

4 Firewire Input

Connects to a Firewire hub, or Firewire device.

5 Power LED

This LED will become active once the included power adapter has been connected.

6 Status LED

This LED will become active once a stable link has been established between the sending and receiving units.

CONNECTING AND OPERATING THE FIREWIRE 800 EXTENDER PLUS

How to Connect the Firewire 800 Extender Plus

1. Connect the supplied Firewire cable from the computer's Firewire port into one of the firewire ports on the Firewire 800 Extender Plus Sending unit. The other port can be used for a local Firewire device.

2. Connect one pair of LC terminated fiber optic cables from the Firewire 800 Extender Plus Sender unit to the Optical Port 1 on the Firewire 800 Extender Plus Receiving unit.

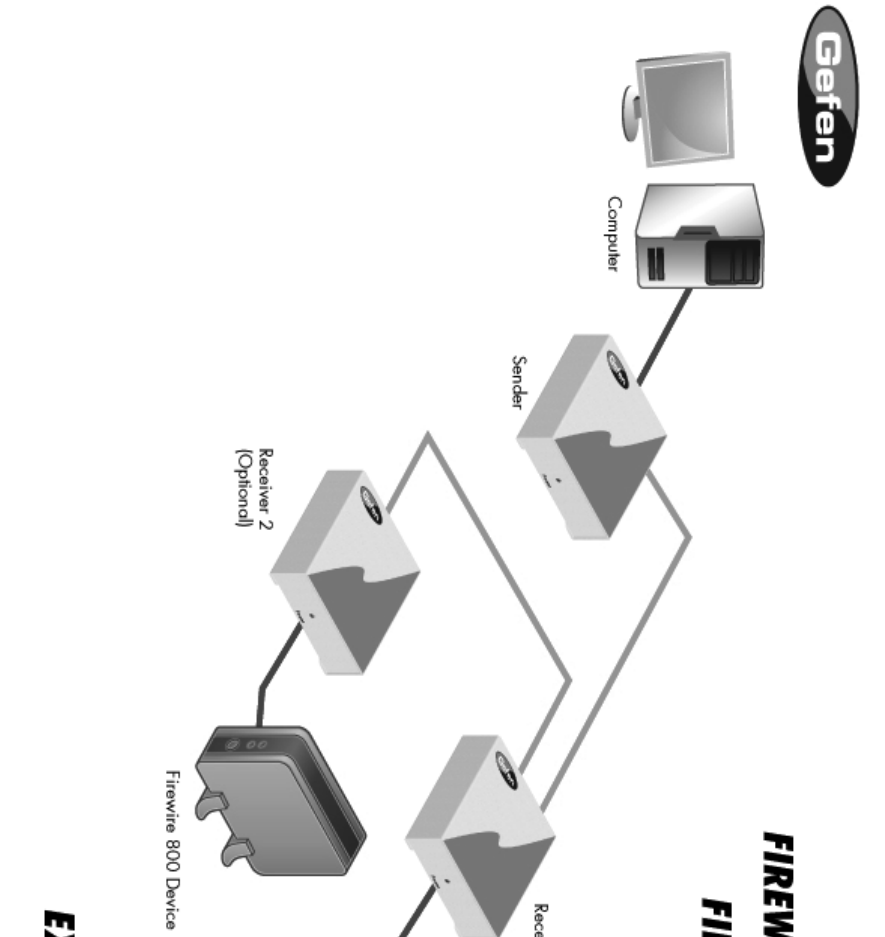
NOTE: Additional Firewire 800 Extender Plus Receiving units can be chained to reach further distances. To do this, connect another pair of LC terminated fiber optic cables from the Optical Port 2 on the Firewire 800 Extender Plus Receiving unit to the Optical Port 1 on another Firewire 800 Extender Plus Receiving unit.

3. Connect your Firewire devices into the Firewire 800 Extender Plus Receiving unit at the remote location.

4. Plug the included 12 volt power supply into the Firewire 800 Extender Plus Receiving unit at the remote location.

5. Restart your computer only after you've made all the connections.

* Cable Requirement - 50 or 62.5 micron multi-mode fiber optics cable


Gefen
Computer
Sender
Receiver 2
(Optional)
Firewire 800 Device
Receiver 1
Firewire 800 Device
FIREWIRE 800
FIBER (2x)
(Up to 1650 ft)
EXT-FW-1394BP

SPECIFICATIONS

Input Connector Type 1394b

Output Connector Type 1394b

Optical Specifications: .....IEEE1394b-2002 compliant

Link Connector: .....Duplex LC fiber

Fiber type: .....62.5 micron or 50.0 micron multi-mode fiber

Data rates: .....S100 (122.44 Mbps), S200 (245.76 Mbps), S400 (491.52 Mbps), S800 (983.04 Mbps)

Power Supply: .....External 12V DC

Power Consumption: .....36 watts (max) per power supply

Dimensions: .....3.9”D x 0.9”H x 4”W

Shipping Weight ..... 3 Lbs

Rev X2

20600 Nordhoff St., Chatsworth CA 91311

1-800-545-6900 818-772-9100 fax: 818-772-9120

www.gefen.com support@gefen.com